



COMMONWEALTH of VIRGINIA

Department of Alcoholic Beverage Control

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CHIEF OPERATING OFFICER/SECRETARY TO THE BOARD
W. CURTIS COLEBURN, III

January 26, 2011

ADDENDUM NO. 1 TO ALL BIDDERS:

Reference:	IFB No.:	SB-306-11
	Dated:	January 10, 2011
	Commodity:	ABC LED LOGO SIGNS
	For Delivery To:	Department of Alcoholic Beverage Control
	Pre-Bid Conference:	January 20, 2011 @ 10:00 A.M.
	Due Date:	February 8, 2011 @ 11:00 A.M.

The above is hereby changed to read as stated below.

1. Reference Page 3, Section II, Scope of Work: 2 – **Delete and Replace with:** “Paint or vinyl on sign faces shall be equal to Pantone matching system to assure color consistency. Colors are as follows:
A. Red = PMS No 485
B. Blue = PMS No. 286
C. White = Translucent White

Colored areas shown (Attachment F in elevation as horizontal line hatch pattern shall be solid color as specified. Provide to ABC a color sample applied on specified substrate once contract has been awarded for ABC approval. Paint and vinyl shall be under warranty for five years according to Special Terms & Condition #23. Painting or vinyl shall be first surface.
2. Reference Page 3, Section II, Scope of Work: 5– **Add after to last sentence:** “and LED lighting shall be brand name or equal. The brand names are in Attachment I.”
3. Reference Page 4, Section II, Scope of Work: A. – E. **Add:** “Removal and Disposal of signs on an as needed basis. Patch and seal all penetrations to building according to Virginia Uniform Statewide Building Codes to prevent weather from entering. Signs must be disposed of according to EPA standards.”
4. Reference Page 5, Section II, Scope of Work: F. **Delete:** “LINE ITEM (F) – Removal and disposal of neon signs on an as needed basis. Sign must be disposed of according to EPA standards.” This line item description will be added to Line Item A – E, see revised Pricing Schedule, Attachment H.
5. Reference Page 16, Section VII, Special Terms & Conditions: 17. – Inspection of Job Site: **Delete term and Replace with:** My signature on this solicitation constitutes certification that I will inspect each store location as soon as practicable after receipt of sign request to ensure Contractor is aware of the conditions under

which the work must be accomplished. Claims, as a result of failure to inspect job site, will not be considered by the Commonwealth. Any special conditions found, as a result of said inspection, shall be communicated to the Contract Administrator as soon as possible for resolution.

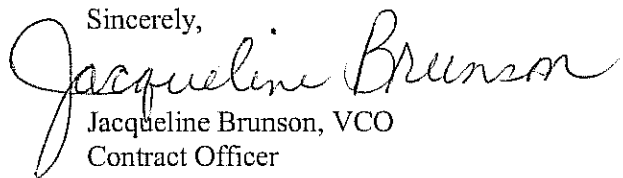
6. Reference Page 18, Section VII, Special Terms & Conditions: **Add the following term:**

USE OF BRAND NAMES: Unless otherwise provided in this solicitation, the name of a certain brand, make or manufacturer does not restrict bidders to the specific brand, make or manufacturer named, but conveys the general style, type, character, and quality of the article desired. Any article which the public body, in its sole discretion, determines to be the equivalent of that specified, considering quality, workmanship, economy of operation, and suitability for the purpose intended, shall be accepted. The bidder is responsible to clearly and specifically identify the product being offered and to provide sufficient descriptive literature, catalog cuts and technical detail to enable the Commonwealth to determine if the product offered meets the requirements of the solicitation. This is required even if offering the exact brand, make or manufacturer specified. Normally in competitive sealed bidding only the information furnished with the bid will be considered in the evaluation. Failure to furnish adequate data for evaluation purposes may result in declaring a bid nonresponsive. Unless the bidder clearly indicates in its bid that the product offered is an equivalent product, such bid will be considered to offer the brand name product referenced in the solicitation.

For Informational Purposes Only:

1. **Please be reminded bids must be received by this office (Second Floor, Room 2059) by the due date and hour (February 8, 2011 11:00 AM EDT) to be considered.**
2. The attached questions and answers from the Pre-Bid Conference are provided for clarification/information.

NOTE: A signed acknowledgment of this addendum must be received by this office either prior to the bid due date and hour or attached to your bid. Signature on this addendum does not constitute your signature on the original bid. The original bid document must be signed also.

Sincerely,

Jacqueline Brunson, VCO
Contract Officer
Phone: 804.213.4427
Email: Jacqueline.Brunson@abc.virginia.gov

Print Name

Signature

Name of Firm

Title

Date

ABC LED LOGO SIGNS –Pre-Bid Conference
Questions and Answers
January 20, 2011
10:00 AM

- Q1. Will vinyl be acceptable in lieu of painting? What grade of vinyl?
- A1). No not on sign returns or backs, vinyl may be used in lieu of paint only on logo face. Reference change on Addendum #1.
- Q2). Where is the electrical junction box located in relation to where raceway is to be installed?
- A2). Reference Page 4, Section II, Scope of Work: 11.
- Q3). Is the junction box wired and positively tested “hot” by electrical contractors?
- A3). According to our signed lease all junction boxes are wired and positively tested “hot”.
- Q4). Identify what type of bldg: Stucco, Brick, vinyl siding, etc.
- A4). Locations vary. This shall be determined during Contractor inspection of job site.
- Q5). Are there any recesses or protrusions on existing facade to affect the install?
- A5). This shall be determined during Contractor inspection of job site.
- Q6). Pictures of Bldg and location of sign on bldg.
- A6). Reference Page 4, Section II, Scope of Work: 18. B.
- Q7). How high off of the ground to the sign location?
- A7). This shall be determined during Contractor inspection of job site.
- Q8). Are other trades complete with their work as not to impede scheduled installation time/date?
- A8). Yes, store location will not be accepted by ABC until after Landlord has completed the required specifications.
- Q9). Are other trade vehicles moved and out of the sign installation location area?
- A9). Vehicles can be moved if necessary.
- Q10). Is the exterior installation area and ground smooth, level and free of construction debris or other obstacles?
- A10). Area conditions will be as typically found at existing shopping center locations or construction sites.
- Q11). Has the installation area been marked, coned or flagged ahead of schedule to close off an area to allow for installation vehicles?
- A11). No.
- Q12). Are there special traffic control requirements we need to comply with (Such as local WATCH program directives)?
- A12). The Contractor shall determine if there are special traffic control requirements.

- Q13). Is there a client representative on-site authorized to immediately sign and date installation completion documents?
- A13). Yes.
- Q14). Do you have a drawing for interior neon signs?
- A14). No, but the sign is already in some stores. You may request an appointment with William Henley (Contract Administrator) @ William.Henley@abc.virginia.gov to review the sample sign.
- Q15). There are some signs on the bid form we do not have drawings for such as the 7 piece Illuminated individual letter LED, Ext. Liquors & Wines Individual LED Letter Sign, Ext. ABC individual letter LED sign and Interior ABC Logo. Please provide.
- A15). ABC does not have any other drawings/schematics other than what we have already provided in the bid package. The sizes and colors are specified in Section "A".
- Q16). Is a better drawing of the logo sign that was provided with the initial package available?
- A16). The drawing for the standard logo provided in the bid package is the only one ABC has.
- Q17). According to the bid form we are to give a price on removals. May we have information or photos of what we will be responsible for removing?
- A17). Signs to be remove will be the same types of signs listed in the Pricing Schedule. Reference Addendum #1.

ATTACHMENT H

REVISED PRICING SCHEDULE

VIII. **PRICING SCHEDULE:** *(To be completed by the bidder)* Indicate an **all inclusive lump sum price** (all costs shall be included except actual permit cost) for each sign in the space below to include administrative (Procurement) fees, drawings, electrical charges (connection, services, etc.), surveys and final inspection. The Contractor shall be responsible for obtaining the necessary permits. The actual cost of the permits shall be submitted with each invoice as a separate line item, along with a receipt for the purchase of the permit.

1. Indicate below the proposed price for Area (1): Shall consist of the following Counties/Cities: Rockingham, Harrisonburg, Augusta, Staunton, Waynesboro, Highland, Bath, Rockbridge, Lexington, Buena Vista, Winchester, Charlottesville, Frederick, Clarke, Warren, Shenandoah, Rappahannock, Page, Culpeper, Orange, Greene, Madison, Nelson, Albemarle, Fluvanna.

Indicate Counties/Cities cannot service: _____

Line Item (A): Line Item (A) – EXTERIOR ABC LOGOTYPE SIGN-TRANSLUCENT ACRYLIC, SELF-CONTAINED LED

36" (VA) & 24" (ABC) with raceway \$ _____ each or without raceway \$ _____ each

30" (VA) & 20" (ABC) with raceway \$ _____ each or without raceway \$ _____ each

24" (VA) & 16" (ABC) with raceway \$ _____ each or without raceway \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (B): LINE ITEM (B) - 7 – PIECE ILLUMINATED INDIVIDUAL LETTER LED LOGO SIGNS

36" (VA) & 24" (ABC) with raceway \$ _____ each or without raceway \$ _____ each

30" (VA) & 20" (ABC) with raceway \$ _____ each or without raceway \$ _____ each

24" (VA) & 16" (ABC) with raceway \$ _____ each or without raceway \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (C): LINE ITEM (C) – EXTERIOR LIQUORS & WINES INDIVIDUAL LETTER LED SIGN

24" with raceway \$ _____ each or without raceway \$ _____ each

20" with raceway \$ _____ each or without raceway \$ _____ each

16" with raceway \$ _____ each or without raceway \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (D): LINE ITEM (D) – EXTERIOR ABC INDIVIDUAL LETTER LED SIGN

36” with raceway \$ _____ each or without raceway \$ _____ each

30” with raceway \$ _____ each or without raceway \$ _____ each

24” with raceway \$ _____ each or without raceway \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (E): LINE ITEM (E) – INTERIOR ABC LOGO \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

GRAND TOTAL FOR AREA (1) \$ _____

2. Area (2): Shall consist of the following Counties/Cities: Roanoke, Radford, Bedford, Lynchburg, Martinsville, Amherst, Botetourt, Alleghany, Craig, Henry, Patrick, Floyd, Montgomery, Pulaski, Covington, Salem.

Indicate Counties/Cities cannot service: _____

Line Item (A): Line Item (A) – EXTERIOR ABC LOGOTYPE SIGN-TRANSLUCENT ACRYLIC, SELF-CONTAINED LED

36” (VA) & 24” (ABC) with raceway \$ _____ each or without raceway \$ _____ each

30” (VA) & 20” (ABC) with raceway \$ _____ each or without raceway \$ _____ each

24” (VA) & 16” (ABC) with raceway \$ _____ each or without raceway \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (B): LINE ITEM (B) - 7 – PIECE ILLUMINATED INDIVIDUAL LETTER LED LOGO SIGNS

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24” (VA) & 16” (ABC) with raceway \$ _____ each or without raceway \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (C): LINE ITEM (C) – EXTERIOR LIQUORS & WINES INDIVIDUAL LETTER LED SIGN

24" with raceway \$_____ each or without raceway \$_____ each

20" with raceway \$_____ each or without raceway \$_____ each

16" with raceway \$_____ each or without raceway \$_____ each

REMOVAL AND DISPOSAL FEE \$_____ each

Line Item (D): LINE ITEM (D) – EXTERIOR ABC INDIVIDUAL LETTER LED SIGN

36" with raceway \$_____ each or without raceway \$_____ each

30" with raceway \$_____ each or without raceway \$_____ each

24" with raceway \$_____ each or without raceway \$_____ each

REMOVAL AND DISPOSAL FEE \$_____ each

Line Item (E): LINE ITEM (E) – INTERIOR ABC LOGO \$_____ each

REMOVAL AND DISPOSAL FEE \$_____ each

GRAND TOTAL FOR AREA (2) \$_____

3. Area (3): Shall consist of the following Counties/Cities: Westmoreland, Northumberland, Richmond County, Lancaster, Essex, King and Queen, Middlesex, Gloucester, Matthews, James City, Williamsburg, York.

Indicate Counties/Cities cannot service: _____

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36" (VA) & 24" (ABC) with raceway \$_____ each or without raceway \$_____ each

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24" (VA) & 16" (ABC) with raceway \$_____ each or without raceway \$_____ each

REMOVAL AND DISPOSAL FEE \$_____ each

Line Item (B): LINE ITEM (B) - 7 – PIECE ILLUMINATED INDIVIDUAL LETTER LED LOGO SIGNS

36" (VA) & 24" (ABC) with raceway \$ _____ each or without raceway \$ _____ each
30" (VA) & 20" (ABC) with raceway \$ _____ each or without raceway \$ _____ each
24" (VA) & 16" (ABC) with raceway \$ _____ each or without raceway \$ _____ each
REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (C): LINE ITEM (C) – EXTERIOR LIQUORS & WINES INDIVIDUAL LETTER LED SIGN

24" with raceway \$ _____ each or without raceway \$ _____ each
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16" with raceway \$ _____ each or without raceway \$ _____ each
REMOVAL AND DISPOSAL FEE \$ _____ each

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30" with raceway \$ _____ each or without raceway \$ _____ each
24" with raceway \$ _____ each or without raceway \$ _____ each
REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (E): LINE ITEM (E) – INTERIOR ABC LOGO \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

GRAND TOTAL FOR AREA (3) \$ _____

4. Area (4): Shall consist of the following Counties/Cities: Northampton and Accomack, Virginia Beach, Chesapeake, Portsmouth, Norfolk, Suffolk, Franklin, Isle of Wright, Southampton, Sussex, Surry, Hampton, Newport News, Poquoson.

Indicate Counties/Cities cannot service: _____

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REMOVAL AND DISPOSAL FEE \$ _____ each

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REMOVAL AND DISPOSAL FEE \$ _____ each

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REMOVAL AND DISPOSAL FEE \$ _____ each

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30" with raceway \$ _____ each or without raceway \$ _____ each

24" with raceway \$ _____ each or without raceway \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (E): LINE ITEM (E) – INTERIOR ABC LOGO \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

GRAND TOTAL FOR AREA (4) \$ _____

5. Area (5): Shall consist of the following Counties/Cities: Charles City, New Kent, Henrico, Richmond City, Chesterfield, Colonial Heights, Petersburg, Dinwiddie, Hopewell, Caroline, Powhatan and Goochland, Prince George, Louisa, Hanover, King William.

Indicate Counties/Cities cannot service: _____

Line Item (A): Line Item (A) – EXTERIOR ABC LOGOTYPE SIGN-TRANSLUCENT ACRYLIC, SELF-CONTAINED LED

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REMOVAL AND DISPOSAL FEE \$ _____ each

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REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (E): LINE ITEM (E) – INTERIOR ABC LOGO \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

GRAND TOTAL FOR AREA (5) \$ _____

6. Area (6): Shall consist of the following Counties/Cities: Arlington, Alexandria, Loudoun, Fauquier, Manassas, Prince William, Fairfax, Stafford, Fredericksburg, Spotsylvania, King George.

Indicate Counties/Cities cannot service: _____

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REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (B): LINE ITEM (B) - 7 – PIECE ILLUMINATED INDIVIDUAL LETTER LED LOGO SIGNS

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REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (D): LINE ITEM (D) – EXTERIOR ABC INDIVIDUAL LETTER LED SIGN

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24" with raceway \$ _____ each or without raceway \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (E): LINE ITEM (E) – INTERIOR ABC LOGO \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

GRAND TOTAL FOR AREA (6) \$ _____

7. Area (7): Shall consist of the following Counties/Cities: Buckingham, Cumberland, Amelia, Appomattox, Prince Edward, Nottoway, Campbell, Charlotte, Lunenburg, Brunswick, Greenville, Pittsylvania, Danville, Emporia, South Boston, Halifax, Mecklenburg.

Indicate Counties/Cities cannot service: _____

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Line Item (D): LINE ITEM (D) – EXTERIOR ABC INDIVIDUAL LETTER LED SIGN

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REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (E): LINE ITEM (E) – INTERIOR ABC LOGO \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

GRAND TOTAL FOR AREA (7) \$ _____

8. Area (8): Shall consist of the following Counties/Cities: Bristol, Abingdon, Galax, Wytheville, Norton, Giles, Bland, Wythe, Carroll, Grayson, Smyth, Tazewell, Washington, Russell, Buchanan, Dickenson, Wise, Scott, Lee.

Indicate Counties/Cities cannot service: _____

Line Item (A): Line Item (A) – EXTERIOR ABC LOGOTYPE SIGN-TRANSLUCENT ACRYLIC, SELF-CONTAINED LED

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Line Item (D): LINE ITEM (D) – EXTERIOR ABC INDIVIDUAL LETTER LED SIGN

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24" with raceway \$ _____ each or without raceway \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

Line Item (E): LINE ITEM (E) – INTERIOR ABC LOGO \$ _____ each

REMOVAL AND DISPOSAL FEE \$ _____ each

GRAND TOTAL FOR AREA (8) \$ _____



The Bright Idea

(I) Prior to Installation:

Step 1. Surface Preparation:

A clean and dry mounting ensures optimum adhesion if the self-adhesive method of mounting is chosen. Follow the manufacturer's direction when using a non-oil based solvent, such as rubbing alcohol to clean the surface area where you intend to mount the LED module. Before installing, ensure the surface is dry.

Step 2. Tools & Supplemental Supplies Preparation:

Bring all appropriate tools, such as wire stripper/cutter, measuring tape, ram drill, screw driver, etc? Supplemental supplies Plastic mounting clip and splice connector may be purchased from LED, Inc.

(II) Installation into Channel Letter:

Step 1. Measurement:

To determine where the LED module should be placed and how many to use, LED, Inc. offers the following guidelines: (Result may vary, based upon desired light intensity and letter construction)

Type of LED module	Module per Foot	Stroke Width per Row (inch)	Letter Depth (inch)
Regular LED Module	4	4	5
RGB Module	4	4	5
High Intensity LED Module	2	6	5
Mini LED Module	5	3	3

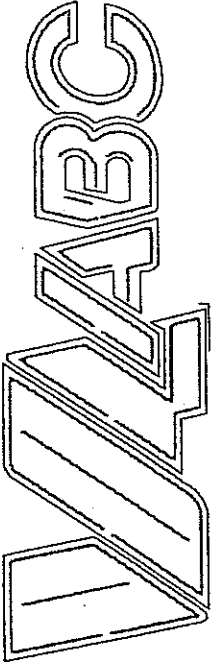
LED Optical & Electrical Specifications

Regular LED Module	Red	1.8" x 0.6" x 0.5" (45.7 x 16.0 x 11.4mm)	4	27	0.4	620~630	100	50	2.6	Yes	Yes	Yes
										Yes	Yes	Yes
Mini LED Module	Amber	1.2" x 0.4" x 0.3" (30.0 x 10.0 x 6.0mm)	4	27	0.4	588~593	100	60	3.3			
	Green		3	22	0.3	520~525	100	135	3.3			
	Blue		3	22	0.3	465~470	100	40	2.3			
	White		4	36	0.5	6000~7500 K	100	200	8.0			
	RGB		7	60	0.8	-	100	90 *	6.5			
	Red		2	27	0.4	620~630	100	30 *	1.2		Yes	Yes
	Amber		2	27	0.4	588~593	100	33	1.1			
Flexible LED Strip	Green	19.7" x 0.8" x 0.2" (500.0 x 20.0 x 4.5mm)	2	22	0.3	520~525	100	63	2.3			
	Blue		2	22	0.3	465~470	100	20	0.8			
	White		2	18	0.3	6500~7000 K	100	110	3.0			
	Red		30	270	3.5	620~630	100	250	16		Yes	No
	Amber		30	270	3.5	588~593	100	200	14			
	Green		30	220	2.7	520~525	100	390	31			
	Blue		30	220	2.7	465~470	100	135	10			
Power Strip LED Module	White	19.7" x 0.8" x 0.2" (500.0 x 20.0 x 4.5mm)	30	180	2.2	6500~7000 K	100	600	40			
	Warm White		30	180	2.2	3000~3500 K	100	500	36			
	RGB		20	540	6.5	-	100	600 *	36			
	White		20	360	4.3	5500~6000K	100	2335	125		Yes	No
	Warm White		20	360	4.3	3000~3500K	100	1856	105			
	Red		2	27	0.3	620~630	100	160	8.0		Yes	Yes
	Amber		2	27	0.3	588~593	100	150	6.6			
	Green		2	44	0.5	520~525	100	320	13.3			
	Blue		2	44	0.5	465~470	100	80	4.0			
	Soft White		2	36	0.5	5500~6000K	100	500	18.9			
High Intensity LED Module	Cool White	2.1" x 1.7" x 0.4" (52.0 x 42.0 x 10.0mm)	2	36	0.5	6500~7000K	100	500	16.2			
	Warm White		2	36	0.5	3000~3500K	100	500	16.8			
	RGB		2	54	0.7	-	100	135	5.1		Yes	Yes
	Red		1	130	1.6	620~630	120	370	15			
	Amber		1	130	1.6	588~593	120	490	25			
	Green		1	130	1.6	520~525	120	570	19			
	Blue		1	130	1.6	465~470	120	200	25			
	White		1	130	1.6	6000~7500 K	120	560	28			
	Warm White		1	130	1.6	3000~3500 K	120	510	18			

This data is tested in 30 cm Integrating sphere.

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TETRA® LED SYSTEMS MATERIAL ESTIMATE

Color	Tetra® Product	Description	LED Model	Qty	Power Supply**	Qty	Power Supply**	Qty	Connector	Qty	Supply Wire	Qty	End Cap	Qty														
White	Tetra Mini MAX	LED 575	GEWHMSS	575	GEPS12-60	1	GEPS12-20	0	191600041	25	9409	575	191600041	25														
*** SPECIAL INSTRUCTIONS ***																												
 <p>Dimensions: 36" @ "LOGO"</p>																												
<p>1) The above drawing is for ESTIMATING PURPOSES ONLY and should not be used for commercial quotation or bid without validation. The material estimates for Tetra® LED Systems are based upon our engineering standards and information provided pertaining to font, letter height, can depth, face material, and any special instructions provided by the customer. Missing information will cause delays in delivery of estimate as well as affect product selection, quantities, application, and illumination.</p> <p>2) LED module placement is on APPROXIMATION ONLY. The sign manufacturer must verify and may need to adjust module placement to ensure even illumination.</p> <p>3) Final layouts and material estimates are for quotation purposes and suitability. Thereof, are the responsibility of the sign OEM.</p> <p>4) All signs should be tested as complete units including correct Tetra® power supply before installation for acceptable color, illumination, & functionality.</p> <p>5) For detailed information please refer to the applicable Tetra® product found under signage of Architecture at: WWW.LED.COM</p>																												
<table border="1"> <thead> <tr> <th>Tetra Mini MAX</th> <th>GEPS12-60</th> <th>36 FLX (L=36 FT)</th> <th>GEPS12-20</th> <th>57 FLX (L=12 FT)</th> <th>Total Amps (Max)</th> <th>Total Watts (System)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.7 Amps</td> <td>780 Watts</td> </tr> </tbody> </table>															Tetra Mini MAX	GEPS12-60	36 FLX (L=36 FT)	GEPS12-20	57 FLX (L=12 FT)	Total Amps (Max)	Total Watts (System)						1.7 Amps	780 Watts
Tetra Mini MAX	GEPS12-60	36 FLX (L=36 FT)	GEPS12-20	57 FLX (L=12 FT)	Total Amps (Max)	Total Watts (System)																						
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<p>** Power Supply Location</p> <p>REMOTE</p> <p>Application</p> <p>FACE OF BACKLIT</p>																												
<p>TECHNICAL SUPPORT: 888-694-3533</p> <p>EMAIL: TETRADRAWINGS@GE.COM</p> <p>FAX: 216-359-0075</p>																												
<p>Drawn By: AS</p> <p>Date: 4/29/09</p> <p>Rev: 00</p>																												
<p>Lumination</p> <p>Tetra® LED Systems</p> <p>Valley View, OH 44125</p> <p>No.: 009794-2</p> <p>PAGE 1 OF 1</p>																												



Leaders in LED Technology

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Toll-Free 888.747.4LED Fax 805.676.321

1) ACTUAL CHANNEL LETTER POPULATION AND PRODUCT PLACEMENT MAY VARY FROM THIS LAYOUT

2) V SERIES WHITE LAID OUT AT 3 MODULES PER FOOT, 6" ON CENTER

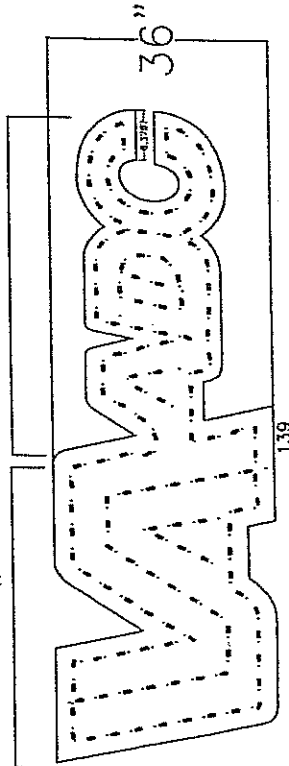
3) EACH MODULAR 60 POWER SUPPLY CAN RUN UP TO 90 V SERIES WHITE MODULES

4) LAYOUT BASED ON A 5" CAN DEPTH

5) DIMENSIONS ARE IN INCHES UNLESS STATED OTHERWISE

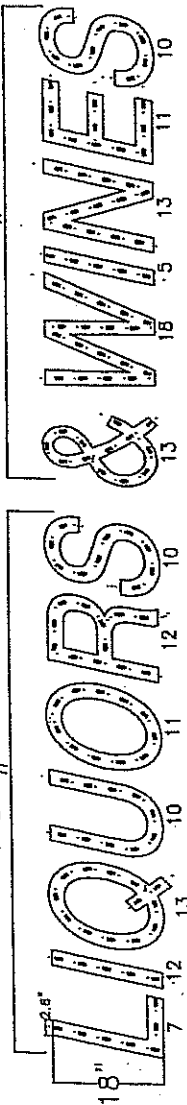
PS #1

PS #2



PS #3

PS #4



ESTIMATED PRODUCT B.O.M. PER SIGN:

284 Each V Series White Modules - 95'
4 Each Modular 60 Power Supplies 12VDC
1 Each 100' Roll of Jacketed Cable

DRAWN
gl/AB

DATE
4/24/2009

ABC SIGN
VAABC Liquors & Wines

1) This design and drawing are proprietary and the property of SloanLED. Any reproduction or use without prior written approval is prohibited.

2) ChannelLED modules and power supply quantities are ESTIMATES ONLY and are based on the supplied information and drawings. Channel letter depth, lens color, material and thickness can vary, which may lead to an increase or decrease in product at the time of installation. To ensure accurate product requirements, it is recommended that product is tested using customer's specific lens material and letter configuration.

3) SloanLED highly recommends applying Light Enhancement Paint (LEP) or Light Enhancement Film (LEF) inside channel letters for optimal illumination.

4) Jacketed cable estimated assumes maximum run length of 15' per leg of the power supply.

TETRA[®] LED SYSTEMS MATERIAL ESTIMATE

Color	Tetra [®] Product	Description	LED Module	Qty	Power Supply	Qty	Power Supply	Qty	Supply Price	Qty	Est. Cost
White	Tetra Mini MAX	5 LED's	GEWHM55	1	GEPS12-60	1	GEPS12-20	1	9409	97	191600041

*** SPECIAL INSTRUCTIONS

BREAKDOWN			
White	Fl.	In.	Modules
L	2	4	6.0
I	1	6	4.0
O	4	4	11.0
U	3	6	9.0
D	4	4	11.0
R	4	4	11.0
S	4	0	10.0
&	4	8	12.0
W	6	0	15.0
I	1	6	4.0
N	4	4	11.0
E	3	6	9.0
S	4	0	10.0

LIQUORS & WINES


Dimensions : 18" @ "L"

Tetra Mini MAX	GEPS12-60	36 Ft. x 1 = 36 Ft.	GEPS12-20	12 Ft. x 1 = 12 Ft.	Total Amps (Max)	Total Watts (System)
					1.7 Amps	73.5 Watts

** Power Supply Location	
REMOTE	
Application	
FACE OF BACKLIT	

TECHNICAL SUPPORT: 888-694-3533
EMAIL: TETRADRAWINGS@GE.COM
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Tetra[®] LED Systems

Lumination
 VALLEY VIEW, OH 44125

No : 009794-1
 PAGE 1 OF 1

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